

Original: ENGLISH

FIRST PROGRESS REPORT TO THE CONFERENCE OF THE
COMMITTEE ON DISARMAMENT BY THE AD HOC GROUP OF SCIENTIFIC EXPERTS
TO CONSIDER INTERNATIONAL CO-OPERATIVE MEASURES TO DETECT AND TO
IDENTIFY SEISMIC EVENTS

In pursuance of the decision of the CCD on 22 July 1976 the Ad Hoc Group of Scientific Experts to Consider International Co-operative Measures to Detect and to Identify Seismic Events held its first session from 2-6 August 1976 in Geneva and submits hereby its first progress report, for consideration by the CCD

1) Scientific experts and representatives from the following Member States of the CCD participated in the first session: Canada, Egypt, Federal Republic of Germany, India, Italy, Japan, Netherlands, Nigeria, Romania, Sweden, United Kingdom and the United States of America.

2) In accordance with the above decision Australia, Belgium, Denmark, Finland, and Norway had been invited and are participating in the work of the Ad Hoc Group through scientific experts and representatives. (A list of participants is attached).

3) At the first meeting Dr Ulf Ericsson of Sweden was elected to serve as Chairman of the Ad Hoc Group.

4) The Group agreed upon, inter alia, a provisional Table of Contents of its Final Report, the main headings of which read as follows:

- 1) Summary.
- 2) Introduction.
- 3) Data and procedures to be used for detection and location of seismic events and for obtaining identification parameters.
- 4) Selection of seismographic stations for a global network.
- 5) Data exchange between selected stations and data centres.
- 6) Data centres for detection and location of seismic events and for reduction of identification parameters.
- 7) Estimated cost to establish and operate the specified monitoring system.
- 8) Estimated capability of the specified monitoring system.

9) Proposal for experimental exercises.

Appendix: Problems with the estimation of yields from seismic signals.

5) With a view to completing its work expeditiously and no later than January 1978 the Group adopted a flexible time schedule and decided to hold its next two sessions in October 1976 and March 1977.

6) The Ad Hoc Group agreed upon a draft Agenda for the next session and designated groups of experts from among its members to prepare working papers for the next session.

7) The Ad Hoc Group noted that the efficiency of its work in the assessment of present and planned seismographic installations and data handling facilities would be greatly increased if the co-operation of CCD Member States and other States not represented in the Ad Hoc Group could be ensured.

8) The Ad Hoc Group considered it necessary to obtain, before its session in October 1976, the services of a qualified scientific secretary to ensure adequate editing and handling of its working papers and drafts. Dr Frode Ringdal of Norway was asked and has agreed to undertake the task.

9) The Ad Hoc Group decided to hold its next session from 11-15 October 1976 at the Palais des Nations, Geneva.

List of Scientific Experts and Representatives participating in
the First Session of the Ad Hoc Group of Scientific Experts to
Consider International Co-operative Measures to Detect and to
Identify Seismic Events

AUSTRALIA

Mr. K. I. Gates Counsellor, Permanent Mission of Australia to
the United Nations at Geneva

BELGIUM

Mr. J. M. van Gils Chief, Seismological Service to the Royal
Belgian Observatory

CANADA

Mr. P. W. Basham Government Research Scientist, Ministry of Energy
Mines and Resources, Ottawa
Dr. D. H. Weichert Government Research Scientist, Ministry of Energy
Mines and Resources, Ottawa

DENMARK

Mr. J. Hjelme Stategeodesist, Department of Seismology,
Geodaetisk Institut, Copenhagen

EGYPT

Mr. S. A. Abou-Ali Counsellor, Permanent Mission of Egypt to the
United Nations at Geneva

FINLAND

Dr. I. Noponen Seismological Institute of the University of
Helsinki

GERMANY, FEDERAL REPUBLIC OF

Dr. H. P. Harjes Director, Central Seismological Observatory,
Graefenberg

INDIA

Mr. T. G. Verghese Seismology Section, Bhabha Atomic Research
Centre, Bombay

ITALY

Prof. M. Caputo Director, National Institute of Geophysics
Dr. R. Console Geophysicist, National Institute of Geophysics

JAPAN

Dr. S. Suyehiro Director, Seismological Division, Japan
Meteorological Agency

NETHERLANDS

Mr. A. J. Meerburg

Second Secretary, Delegation of the Netherlands
to the CCD

Dr. A. R. Ritsema

Chief, Seismological Section of the Royal
Netherlands Meteorological Institute

NIGERIA

Mr. S. T. Adamu

Third Secretary, Permanent Mission of Nigeria
to the United Nations at Geneva

NORWAY

Dr. F. Ringdal

Royal Norwegian Council for Scientific and
Industrial Research

ROMANIA

Mr. C. Ivascu

Permanent Mission of Romania to the United
Nations at Geneva

Dr. V. Tudor

Counsellor, Permanent Mission of Romania to
the United Nations at Geneva

SWEDEN

Dr. O. Dahlman

National Defence Research Institute

Dr. U. Ericsson
(Chairman)

Scientific Adviser, Ministry of Foreign Affairs

Dr. H. Israelsson

National Defence Research Institute

Mrs. B. M. Tygaard

National Defence Research Institute

UNITED KINGDOM

Dr. H. I. S. Thirlaway

Civil Servant, Ministry of Defence

UNITED STATES OF AMERICA

Dr. J. Filson

Program Manager, Defense Advanced Research
Projects Agency